"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUMPER, Ye.Ya.; PROSTOSERDOVA, I.V.

Zinc diffusion in indium antimonide. Fiz. tver. tela 6 no.3: 899-902 Mr '64. (MIRA 17:4)

1. Vsesoyuznyy elektrotekhnicheskiy institut imeni Lenina, Moskva.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

ACCESSION NR: AP4019856 S/0181/64/006/003/0899/0902

AUTHORS: Pumper, Ye. Ya.; Prostoserdova, I. V.

TITLE: Diffusion of zinc in indium antimonide

SOURCE: Fizika tverdogo tela, v. 6, no. 3, 1964, 899-902

TOPIC TAGS: single crystal, indium antimonide, electron hole transition, atom capture probability, diffusion coefficient

ABSTRACT: The distribution of zinc concentrations by diffusion into monocrystalline n-type indium antimonide has been investigated. The four-probe technique was used to measure the concentration level at 77K. The accuracy in determining electron-hole transition depth was 2-3 μ. The original material contained a donor admixture with a 10^{14} -10^{15}/cm^3 concentration level. The zinc concentration distribution curve is found to have a step form. To solve approximately for the equilibrium and homogeneous concentration N_0 of traps, the assumption is made that the probability of nondimensional atom capture by the traps is unity, while the probability of atoms leaving the traps is zero. This leads to an expression for N_0 in terms of diffusion coefficient and rate of cross-section transfer. Compar-

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ACCESSION NR: AP4019856

ison with the experimental results shows satisfactory agreement, despite the simplicity of the analytic approach. Orig. art. has: 5 formulas, 2 figures, and 1 table.

ASSOCIATION: Vsesoyuznyy elektrotekhnicheskiy institut im. V. I. Lenina, Moscow (All-Union Electrotechnical Institute)

SUBMITTED: 18Oct63 DATE ACQ: 31Mar64 ENCL: 00

SUB CODE: PH NO REF SOV: 000 OTHER: 009

Card 2/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

SHINTL'MEYSTER, I.; PUMPER, Ye.Ya., red.; IOFE, Yu.M., red.; MURASHOVA, N.Ya., tekhn.red.

[Electron tube as a device for physical measurements] Elektronnaia lampa kak pribor dlia fizicheskikh izmerenii. Moskva, Gos.izd-vo tekhniko-teoret.lit-ry, 1959. 343 p. (MIRA 12:12)
(Electron tubes) (Electric measurements)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

8(3) SOV/105-59-8-15/28

AUTHOR: Pumper, Ye. Ya.

TITLE: Controlled Semiconductor Rectifier

PERIODICAL: Elektrichestvo, 1959, Nr 8, pp 65-69 (USSR)

ABSTRACT: In this article the author discusses the possibility of constructing a controlled semiconductor rectifier, the control element of which is a semiconductor triode. The principle of operation of a controlled semiconductor valve (CSV) is outlined. It consists of a semiconductor diode and a semiconductor triode (Author's certificate Nr 106062 from October 26, 1955). The first serves as an uncontrolled valve and the second regulates the magnitude of the rectified current. Two circuit diagrams are shown: the diode connected either to the collector circuit (Fig 1) or to the base circuit (Fig 2). The advantages and disadvantages of the two circuit diagrams are shown. The performance of the semiconductor triode in the power circuit is investigated. As the operating temperature of the triode should not exceed a certain value, the operation must be chosen such as to give a minimum amount of power dissipated in the triode. The external characteristics of the semiconductor triode are

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

shown by figure 3, and these families of curves are studied more closely. It is shown that the use of semiconductor triodes in power circuits is facilitated if they can be switched over. The power characteristics of a simple controlled semiconductor valve with an ohmic load are then investigated, the linearized characteristics of which are shown by figure 4. The pulse current cut-off angle can be determined from formula (1), the effective power from formula (3), the total power consumed in the collector circuit from formula (4), and the efficiency of the collector circuit from formula (5). The theoretical curves of the effective power, efficiency, and rectified current (in relative units) versus the cut-off angle are shown by figure 6. It may be seen that the magnitude of the rectified current can be controlled by a variation of the cut-off angle, which in turn can be attained, according to formula (1), by a variation of the saturation current I_s, i.e. by a manipulation of the control circuit of the triode, or by a variation of I_o, i.e. by a variation of the parameters of the load circuit. The first method allows for a control of the rectifying process by a variation of the base current. The efficiency-versus-rectified-current

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

function is shown by figure 7. These curves were calculated from formulas (8) and (9). The diagram shows that with pulsed control the experimental data is almost in full agreement with the theoretical relation obtained herein. There are 8 figures and 1 Soviet reference.

ASSOCIATION: Vsesoyuznyy elektrotekhnicheskiy institut im. Lenina (All-Union Institute of Electrical Engineering imeni Lenin)

SUBMITTED: November 6, 1958

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUMPER, Ye.Ya.

Absorption of gases in a low-pressure arc. Zhur.tekh.fiz. 28 no.10:2275-2281 O '58. (MIRA 11:12)
(Absorption) (Electric arc)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

24(7)
AUTHOR: Pumper, Ye.Ya. SOV/57-28-10-28/40

TITLE: Absorption of Gases in a Low-Pressure Arc (Pogloshcheniye gazov v duge nizkogo davleniya)

PERIODICAL: Zhurnal tekhnicheskoy fiziki, Vol 28, Nr 10, pp 2275-2281 (USSR)

ABSTRACT: The experiments carried out in this work were intended to settle problems connected with the absorption of some molecular gases and of air in a mercury-arc glass tube during arc-discharge. The information gained indicates that these gases are absorbed rapidly and continuously by the electrodes and the tube walls. Such an absorption is of great practical importance, as it leads to a prolongation of life of the sealed tubes. It appears from the investigation that argon is not absorbed during an arc-discharge. The conception according to which the gas absorption during an arc-discharge is due to a "dense packing" of the gas ions into the electrodes and walls under the influence of the fields generated by the arc is proved to be erroneous. Another hypothesis for the explanation of the mechanism of gas absorption during an arc-discharge is advanced. It says that the atoms dissociated under the influence of the arc are intensely adsorbed on the electrode and the walls due to their great chemical activity and that

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

this leads to diffusion of these gases into the interior of the electrodes. The fact that argon, being an inert gas, is not absorbed, is not at variance with the mechanism suggested, which also corresponds qualitatively with the results of the experiments carried out. There are 4 figures, 2 tables, and 3 references, 2 of which are Soviet.

SUBMITTED: April 29, 1957

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUMPROVA, Klotylda

Cooperation with foreign designing institutes. Rudy 11 no.9: 320-321 S '63.

1. Rudny projekt, Praha.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUMPYANSKAYA L. V.

Several properties of silicate bacteria. S. P. Norkina and L. V. Pumpyanskaya. *Doklady Vsesoyuz. Akad. Sel'skokhoz. Nauk im. V. I. Lenina* 21, No. 3, 27-31(1956).— Besides being able to release K from silicates, the bacteria are capable of fixing some N. I. S. Joffe

2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

VOROS, S., HUMPEL, E.; LEIGH, C., [illegible], F.

Virus excretion and bacteriological studies in sporadic infantile enteritis. Acta paediat. acad. sci. Hung. 5 no.1:115-130 '64.

1. Microbiological Institute (Director: Prof. K. Kauss) and Department of Paediatrics (Director: Prof. E. Kerpel Fronius), University Medical School, Pecs.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PYATAKOVA L.V.

Storage of micro-organisms in mineral oil. Mikrobiologiia 33 no.6:1065-1070 N-D '64. MIRA 18:4

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyaystvennoy mikrobiologii.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

1. PUMYANSKAYA, L. V.

2. USSR (600)

4. Yeast

7. On a new species of yeasts. Trudy Vses. inst. sel'khoz. mikrobiol., 11, no. 2, 1951.

9. Monthly List of Russian Accessions, Library of Congress, March 1953, Unclassified.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

1. KIR'YALOVA, YE. N. - PUMPYANSKAYA, L. V.

2. USSR (600)

4. Wine and Wine Making

7. Using fruit and berry yeasts in wine making. Trudy Vses.inst.sel'khoz. mikrobiol. 1951

9, Monthly List of Russian Accessions, Library of Congress, March 1953, Unclassified.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

1. PUMPYANSKAYA, L. V.: KIR'YALOVA, Ye. N.

2. USSR (600)

4.. Yeast

7. Using fruit and berry yeasts in wine making. Trudy Vses. inst. sel'khoz. mikrobiol., 11, no. 2, 1951.

9. Monthly List of Russian Accessions, Library of Congress, March 1953, Unclassified.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUMPYANSKAYA, L.V.; GLOBUS, G.A.

Study of silicate bacteria and their irrelationships with Azotobacter. Trudy Vses. inst. sel'khoz. mikrobiol. 16:74-85 '60. (MIRA 13:9)
(Bacteria, Silicate) (Azotobacter)
(Soils--Potassium content)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

1. KIR'YALOVA, YE. N. AND PUMPYANSKAYA, L.V.

2. USSR (600)

7. "The Utilization of Fruit and Berry Yeasts in Wine-Making", Trudy Vsesoyuzn. Nauch.-Issled. In-ta S.-Kh. Mikrobiologii (Works of the All-Union Science-Research Institute of Agricultural Microbiology), Vol 11, No 2, 1951, pp 125-129

9. Mikrobiologiya, Vol XXI, Issue 1, Moscow, Jan-Feb 1952, pp 121-132. Unclassified.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

1. PUTYATINSKAYA, L.Y.

2. USSR (600)

3. "Concerning a New Species of Yeast", Trudy Vsesoyuzn. Nauchno-Issl. In-ta S.-Kh. Mikrobiologii (Works of the All-Union Science-Research Institute of Agricultural Microbiology), Vol 11, No 2, 1951, pp 140-142.

9. Mikrobiologiya, Vol XXI, Issue 1, Moscow, Jan-Feb 1952, pp 121-131. Unclassified.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUMPYANSKAYA, S. L.

Dissertation defended in the Botanical Institute imeni V. L. Komarov for the academic degree of Candidate of Biological Sciences:

"Diurnal Course of Plant Transpiration Under Artificial Illumination Conditions."

Vestnik Akad Nauk No. 4, 1963, pp. 119-145

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

KARMANOV, V.G.; PUMPYANSKAYA, S.L.

Study of the diurnal course of transpiration in cotton plants.
Biofizika 1 no.1:43-48 '56. (MIRA 9:12)

1. Nauchno-issledovatel'skiy agrofizicheskiy institut, Leningrad.
(COTTON) (PLANTS--TRANSPIRATION)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

KARMANOV, V.G., kandidat sel'skokhozyaystvennykh nauk; PUMPYANSKAYA, S.I., kandidat sel'skokhozyaystvennykh nauk.

Reflection of the photoperiodic rhythm of cultivation in the transpiration of the stringbean. Agrobiologiia no.6:117-124 N-D'56. (MLRA 10:1)

1. Agrofizicheskiy nauchno-issledovatel'skiy institut, Leningrad.
(Photoperiodism) (Plants--Transpiration) (Beans)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUMPIANSKI, Rafal.;POLACHOWSKI, Kazimierz.;SLUCKI, Leon.

No translation. Polski tygod. lek. 12 no.14:514-517 1 Apr '57.

1. Z Kliniki Poloznictwa i Chorob Kobiecych Instytutu Matki i Dziecka w Warszawie; dyrektor Instytu: prof. dr F. Groer, kierownik Kliniki: doc. dr J. Lesifiski oraz z Centralnej Polikliniki M. S. W. Warszawa, ul. Madalinskiego 25, Klinika Poloznictwa i Chorob Kobiecych Instytyt Matki i Dziecka.

(VAGINITIS, TRICHOMONAS, ther.
DDT, combined ther. of vaginal & urinary trichomoniasis (Pol))
(URINARY TRACT, dis.
trichomoniasis, combined DDT ther. of vaginal & urinary trichomoniasis (Pol))
(TRICHOMONIASIS, ther.
DDT, combined ther. of vaginal & urinary trichomoniasis (Pol))
(DDT, ther. use
trichomoniasis, vaginal & urinary, combined ther. (Pol))

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUMPIANSKI, Rafal;TELKO, Miroslaw.

Practical value of Philipps-Van Slyke's method in detection of anemia in labor. Polski tygod. lek. 12 no.30:1155-1157 22 July 57.

1. Z Kliniki Poloznictwa i Chorob Kobiecych Instytutu Matki i Dziecka; dyrektor Instytutu: prof. dr. F. Groer: kierownik Kliniki: prof. dr J. Lesinski. Adres: Warszawa, Madalinskiego 25 Klinika Polozniczo-Ginekologiczna Instytutu Matki i Dziecka.

(LABOR, complications,
anemia, Philipps-Van Slyke's test (Pol))
(ANEMIA, diagnosis,
in labor, Philipps-Van Slyke's test (Pol))

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUMPIANSKI, Rafal

Remarks on the pathogenesis and treatment of microcystic ovaries.
Gin. polska 28 no.1:77-86 Jan-Feb 57.

1. Z Kliniki Poloznictwa i Chorob Kobiecych Kierownik: doc. dr. J. Lesinski Instytutu Matki i Dziecka w Warszawie Dyrektor: prof. dr. F. Groer oraz z Kliniki Poloznictwa i Chorob Kobiecych Pomorskiej A.M. w Szczecinie Kierownik: prof. dr. T. Zwolinski. Warszawa, Klinika Poloznictwa i Chorob Kobiecych Instytutu Matki i Dziecka, Madalinskiego 25.
(OVARIES, cysts
microcysts, pathogen. & ther. (Pol))

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUMPIANSKI, R.

Treatment of inflammatory metrorrhagia by local application of penicilin. Polski tygod. lek. 7 no.48:1598-1600 1 Dec 1953. (CLML 24:2)

1. Of the Obstetric-Gynecological Clinic (Head--Prof. January Zubrzycki, M.D.) of Szczecin Maritime Medical Academy.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUMPIANSKI, Rafal

Principles of obstetric management in cardiovascular diseases.
Wiadomosci lek. 7 no.1:29-34 Jan 54.
(PREGNANCY, in various diseases,
cardiovascular dis., managment)
(CARDIOVASCULAR DISEASES, in pregnancy,
management)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUMPIANSKI, Rafal (Warszawa, ul. Narbutta 49/51 m.8)

Therapeutic action of associated novacain-penicillin block in adnexitis. Polski tygod. lek. 9 no.23:710-713 7 June 54.

1. Z Kliniki Ploznictwa i Chorob Kobiecych Pomorskiej Akademii Medycznej im. Gen. Karola Swierczewskiego w Szczecinie, kierownik: prof. dr Tadeusz Zwolinski.

(PROCAINE, therapeutic use,
adnexitis, nerve bloc, with penicillin)
(PENICILLIN, therapeutic use,
adnexitis, with procaine block)
(ANESTHESIA, REGIONAL,
procaine block in adnexitis, with penicillin)
(ADNEXITIS, therapy,
penicillin with procaine block)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUMPIANSKI, Rafal

The so-called premenstrual syndrome. Polski tygod.lek. 10 no.22: 744-749 30 May '55.

1. Z Kliniki Poloznictwa i Chorob Kobiecych; kierownik: doc.dr. Jan Lesinski, Instytut Matki i Dziecka w Warszawie; dyrektor: prof. dr Franciszek Groer) Warszawa, ul. Narbutta 49-51 m. 8.
(MENSTRUATION
premenstrual synd.)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUMPIANSKI, Rafal

Effect of novocaine block on certain disorders of the menstrual cycle. Polski tygod.lek. 10 no.26:874-875 27 Je '55.

1. Z Kliniki Poloznictwa i Chorob Kobiecych: kierownik: doc.dr med. Jan Lesinski Instytutu matki i Dziecka w Warszawie: dyrektor: prof. dr med. Franciszek Groer. Warszawa, Narbuta 49/51 m. 8.

(MENSTRUATION DISORDERS, therapy
procaine block)
(PROCAINE, therapeutic use
menstruation disord., nerve block)
(ANESTHESIA, REGIONAL, ther.use
nerve block in menstruation disorders, with procaine)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUMPIANSKI, Rafal (Warszawa, ul. Narbutta 49/51 m 8)

Unusual case of sudden death during the first stage of labor. Polski tygod. lek. 9 no.30:951 26 July 54.

1. Z Kliniki Poloznictwa i Chorob Kobiecych Pomorskiej Akademii Medycznej w Szczecinie; kierownik: prof. dr T.Zwolinski.
(LABOR, complications,
sudden death in first tage during violent argument)
(DEATH, SUDDEN,
in labor, first stage, during violent argument)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUMPIANSKI, Rafal (Szczecin, Klinika Pol.-Gin. P.A.M., ul. Piotra Skargi 9-11)

Local therapy with procaine penicillin solution of chronic adnexitis. Gin. polska 25 no.3:283-290 July-Sept. 54.

1. Z Kliniki Poloznictwa i Chorob Kobiecych Pomorskiej Akademii Medycznej im. Gen. Karola Swierczewskiego w Szczecinie. Kierownik: prof. dr Tadeusz Zwolinski.

(ADNEXITIS, therapy,
procaine penicillin)
(PENICILLIN, derivatives,
procaine penicillin, ther. of adnexitis)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUMPIANSKI, Rafal

LICHT, Edward; PUMPIANSKI, Rafal

Etiology of vaginal discharges in young girls. Pediat. polska 29 no.5:510-513 May 54.

1. Z Kliniki Chorob Dzieciecych Akademii Medycznej w Szczecinie, Kierownik: prof. dr med. B.Gornicki i z Kliniki Poloznictwa i Chorob Kobiecych Akademii Medycznej w Szczecinie, Kierownik: prof. dr med. Z.Zwolinski.

(VAGINA, foreign bodies, in child, causing discharges)

(FOREIGN BODIES, vagina, in child, causing discharges)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

KARMANOV, V.G.; PUMPYANSKAYA, S.L.

Some characteristics of temperature changes in lemon leaves.
Bot.zhur. 41 no.3:409-416 Mr '56. (MLRA 9:8)
(Leaves) (Lemon)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

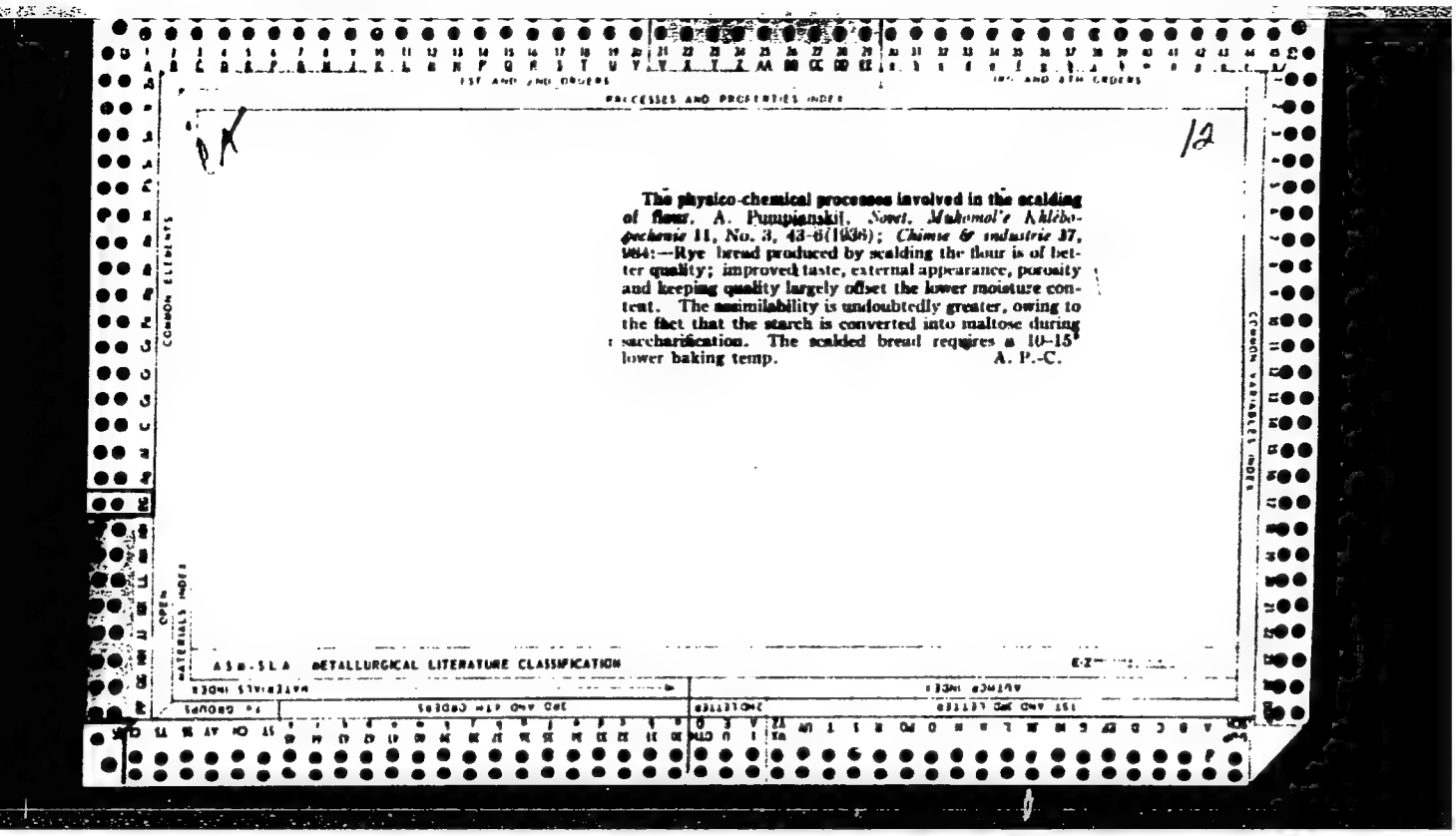
PUMPYANSKI, R.; POLYAKHOVSKI, K. (Varshava)

DDT in therapy of colpitis caused by trichomonads; regarding articles by S.N.Radkov and Z.Vasserbauer in "Akusherstvo i ginekologiia" 1956. Nos. 2 and 5. Akush. i gin. 33 no.3:98-99 My-Je '57. (MLRA 10:8)

(VAGINITIS, TRICHOMONAS, ther.
DDT (Rus))
(DDT, ther. use
trichomonas vaginitis (Rus))

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9



PROCESSES AND PROPERTIES INDEX

12

The physico-chemical processes involved in the scalding of flour. A. Pumpianskii. *Sovet. Mukomol'e Khlebopechenie* 11, No. 3, 43-6(1936); *Chimie & industrie* 37, 984:—Rye bread produced by scalding the flour is of better quality; improved taste, external appearance, porosity and keeping quality largely offset the lower moisture content. The assimilability is undoubtedly greater, owing to the fact that the starch is converted into maltose during saccharification. The scalded bread requires a 10–15° lower baking temp. A. P.-C.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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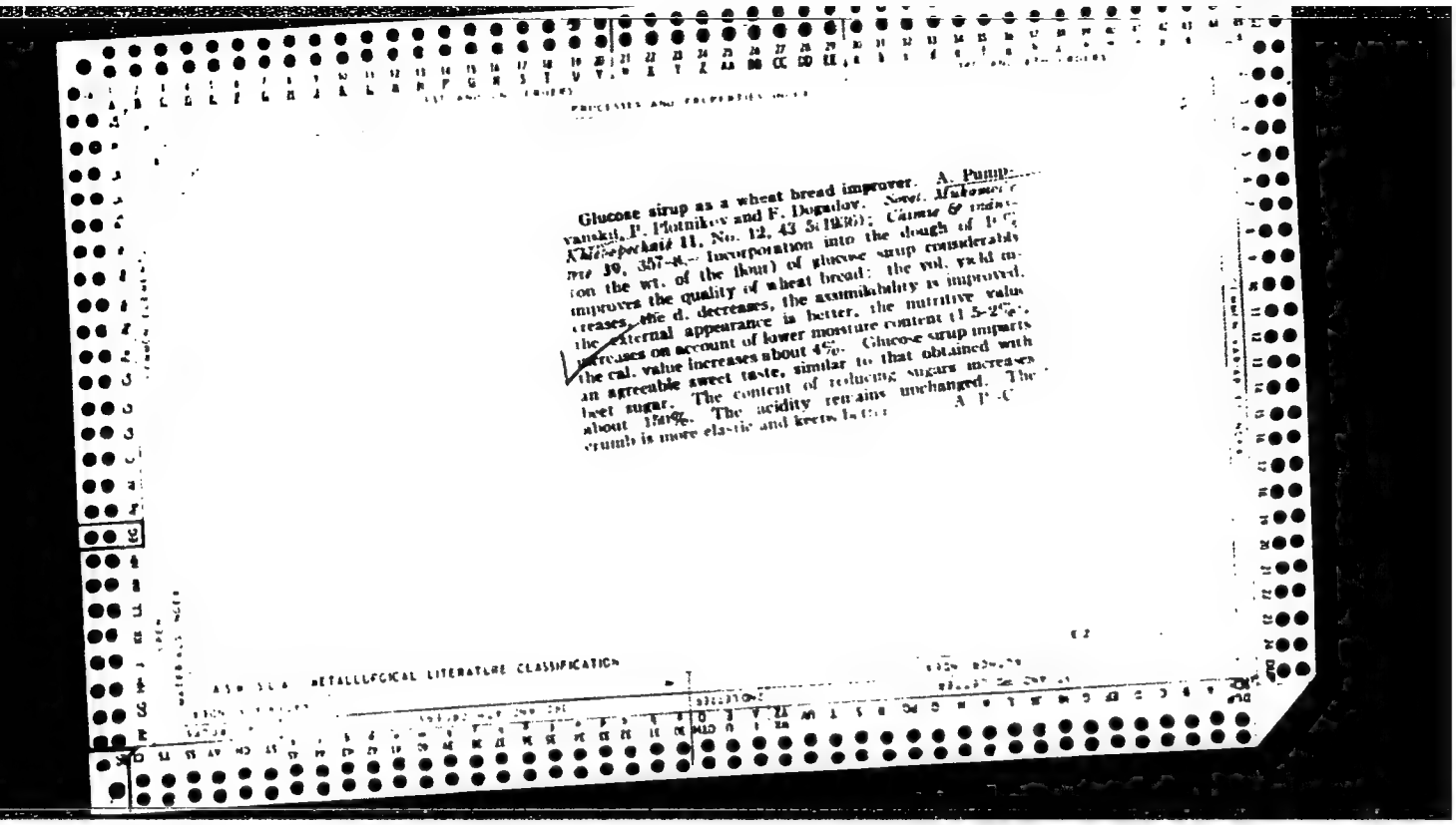

Glucose sirup as a wheat bread improver. A. Pump-
yanskii, P. Plotnikov and F. Dugalov. *Sovet. Kholodil'*
Khlebopekarn. 11, No. 12, 43 5(1938); *Chimie & indus-*
trie 39, 357–8.— Incorporation into the dough of 1–2%
(on the wt. of the flour) of glucose sirup considerably
improves the quality of wheat bread: the vol. yield in-
creases, the d. decreases, the assimilability is improved,
the external appearance is better, the nutritive value
increases on account of lower moisture content (1.5–2%),
the cal. value increases about 4%. Glucose sirup imparts
an agreeable sweet taste, similar to that obtained with
beet sugar. The content of reducing sugars increases
about 15–20%. The acidity remains unchanged. The
crumb is more elastic and keeps [illegible] A. P.-C.

ASM SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PILIYAN'KIY, A. Ya., Engr. Cand. Tech. Sci.

Dissertation: "Investigation of Basic Methods for Preparation of Rye Bread."
Moscow Technological Inst of Food Industry, 15 Jan 47.

SO: Vechernyaya Moskva, Jan, 1947 (Project #17836)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

KURANOVA, P.Z.; LARIONOVA, Ye.S.; PLOTNIKOV, P.M.; PUMPYANSKIY, A.Ya.; SOBETS, L.P.; SOBOLEV, A.T.; IL'INSKIY, N.A., spetsred.; SHCHERBAKOVA, G.V., red.; YAROV, E.M., tekhn.red.

[Mechanized assembly-line production of sweet rusk; experience of the Leningrad Port Mechanical Bakery] Mekhanizirovannoe potochnoe proizvodstvo sdobnykh sukharei; opyt Leningradskogo Portovogo khlebozavoda. Moskva, Pishchepromizdat, 1956. 31 p. (MIRA 11:12)

1. Moscov. Vsesoyuznyy nauchno-issledovatel'skiy institut khlebopekarnoy promyshlennosti.

(Leningrad--Bakers and bakeries--Equipment and supplies)

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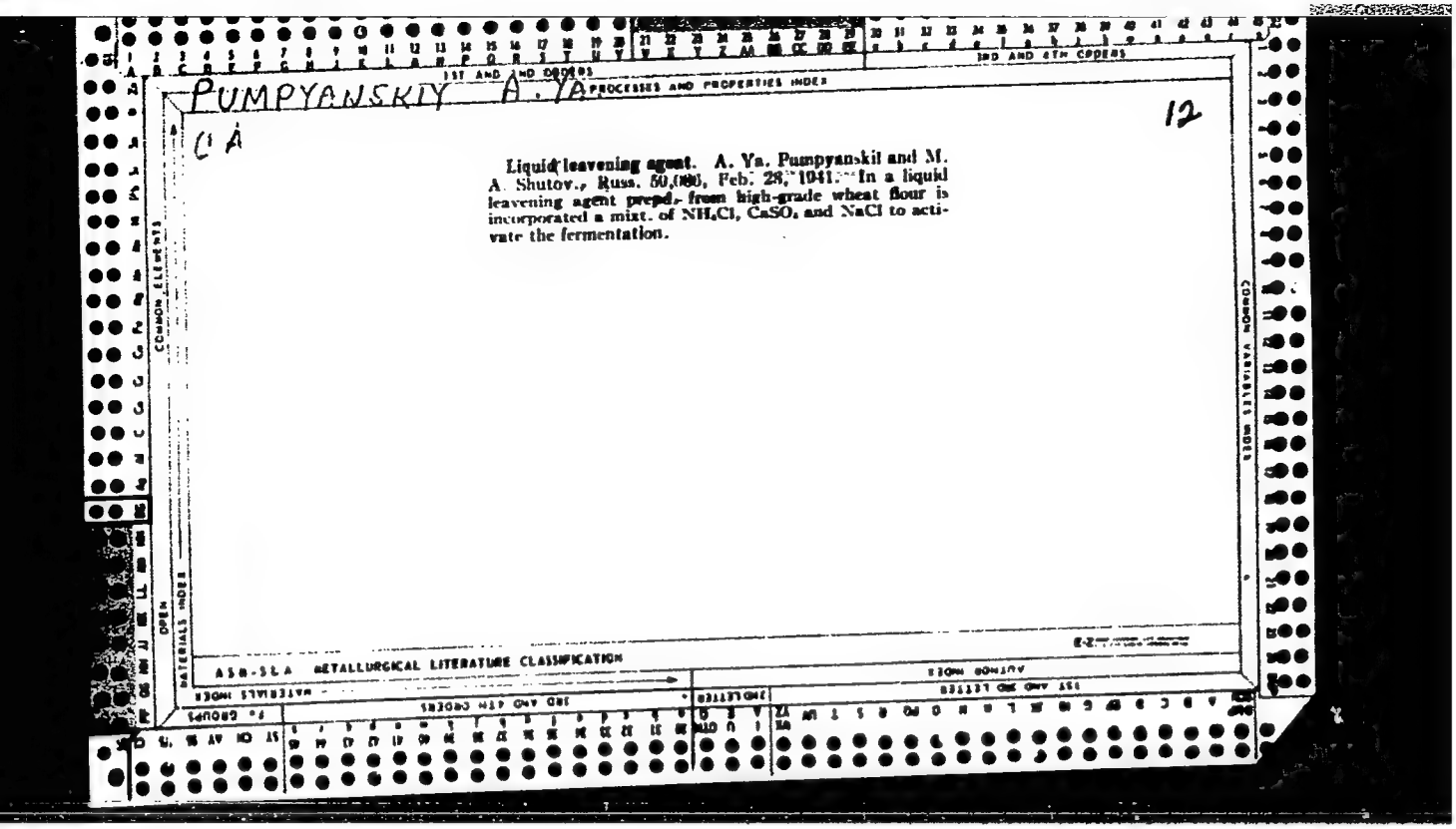

PUMPYANSKIY A. YA.

CA

12

Liquid leavening agent. A. Ya. Pumpyanskil and M. A. Shutov., Russ. 50,080, Feb. 28, 1941. In a liquid leavening agent prepd. from high-grade wheat flour is incorporated a mixt. of NH_4Cl, $CaSO_4$ and NaCl to activate the fermentation.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

VAKAR, A.B.; FUMPYANSKIY, A.Ya.; SEMENOVA, L.V.

Effect of D_2O on physical properties of gluten and wheat dough. Prikl. biokhim. i mikrobiol. 1 no.1:5-24 Ja-F '65. (MIRA 18:5)

1. Institut biokhimii imeni Bakha AN SSSR, Moskva i Vsesoyuznyy institut rasteniyevodstva, Leningrad.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUMPYANSKIY, Aleksandr Yakovlevich, kand.tekhn.nauk; YAKUBTSINER, M.M., kand.sel'skokhoz.nauk, red.; FOMICHEV, A.G., red.izd-va; BELOGUROVA, I.A., tekhn.red.

[Baking qualities of wheat and flour; verbatim report] Khlebopekarnye kachestva pshenitsy i muki; stenogramma doklada. Pod red. M.M.IAkubtsinera. Leningrad, Leningr.Dom nauchno-tekhn. propagandy, 1961. 32 p.

(MIRA 14:12)

(Wheat) (Flour)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUMPYANSKIY, I.M.

Exchange of experience in designing and scientific research work.
Khim.prom. no.2:121-122 Mr '54. (MLRA 7:6)
(Rubber industry)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUMPYANSKIY, I. M.

USSR/Chemistry - Miscellaneous

FD-1813

Card 1/1 Pub 50-17/19

Author : Pumpyanskiy, I. M., Yakovlev, M. F., Rubinchik, S. M.

Title : News Items ["Khronika"]

Pericdical : Khim. prom., No 2, 114-119 (50-55), Mar 1955

Abstract : This section contains items on a conference dealing with the application of the method of tracer atoms in the chemical industry (Moscow, 1-3 Mar 1955), a conference of workers of planning ["project"] organization of the Ministry of Chemical Industry USSR (Moscow, Feb 1955), a branch meeting of workers at enterprises of the Main Administration of the Rubber Industry, the results of competitions conducted in the 4th quarter of 1954, and the results of work done by inventors and persons who have improved efficiency in the chemical industry during 1954.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUMPYANSKIY, I.M.

Divisional conference for the workers of the enterprises of the Chief Administration of Rubber Industry. Khim.prom. no.2:115 Mr '55. (MLRA 8:8)
(Rubber industry)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUMPYANSKIY, I.

Operations of plants under the Main Administration of the Rubber Industry. Khim.prom. no.2:126-127 Mr '56. (MLRA 9:8)
(Rubber industry)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUMPYANSKIY, I.

Work practice of efficiency promoters at the "Kauchuk" Plant.
Khim.prom.no.4:254-255 Je '56. (MLRA 9:10)
(Rubber industry)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUMPYANSKIY, I.M.

The work of the Scientific-Research Institute of The Rubber Industry. Khim. prom. no.3:186-187 Ap-My '56. (MLRA 9:10)

(Rubber)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUMPYANSKIY, I.M.

New equipment of the rubber industry in 1956. Kauch.i rez. no.1:43 Ja '57. (MLRA 10:4)
(Rubber industry--Equipment and supplies)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUMPYANSKIY, I.M.

Basic results of operations of enterprises of the Main Administration of the Rubber Industry in 1956. Kauch. i rez. 16 no.3:36-37 Mr '57. (MIRA 12:3)
(Rubber industry)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUMPYANSKIY, I.

Scientific research in the commercial rubber goods and rubber footwear industry. Kauch. i rez. 16 no.8:33-34 Ag '57. (MIRA 10:11)
(Rubber industry--Research)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUMPYANSKIY, I.M.; STROKINA, A.I.

Safety engineering in factories producing industrial rubber goods and rubber footwear. Kauch. i rez. 16 no.11:26-27 N '57. (MIRA 11:2)

(Rubber industry--Safety measures)
(Industrial hygiene)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

AUTHOR: Pumpyanskiy, I. M. 138-1-5/16

TITLE: Improving the Properties of Rubber Goods. (O povyshenii kachestva rezino-tekhnicheskikh izdeliy).

PERIODICAL: Kauchuk i Rezina, 1958, Nr.1. pp. 20 - 22 (USSR).

ABSTRACT: Various deficiencies in the rubber industry are discussed, and the author recommends an increase in the output as well as improvement of the properties of rubber goods. He draws attention to articles by Antonov ("Znamya" Nr.8, 1955 g) and by F. I. Yashunskiy ("Kauchuk i Rezina" Nr.3, 1957 g). Experimental work was carried out in connection with the construction of conveyor belts and improving rubber coating composition containing up to 50% of rubber. Rezinoproyekt constructed in 1957 a special plant for the manufacture of serrated wheels. Various improvements in the planning of the industry are suggested.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

SOV/ 138-58-6-8/25

AUTHOR: Pumpyanskiy, I.M.

TITLE: Some Points on Improvement of Organization of Work in the Manufacture of Rubber Footwear (Nekotoryye voprosy ratsional'noy organizatsii truda pri sborke rezinovoy obuvi)

PERIODICAL: Kauchuk i Rezina, 1958, Nr 6, pp 29 - 31 (USSR)

ABSTRACT: Various investigations have been carried out in rubber-shoe factories with regard to mechanizing the industry and to improving the quality of goods produced. After giving output figures for various types of production (shoes, boots, etc.) the author draws attention to factors influencing the efficiency of workshops, e.g. lighting and noise, as well as ensuring hygrothermic conditions of work. Investigations of the Leningrad Institute showed that optimum lighting of work places varied between 190 - 1100 lux. (Table 1). Practical tests established that the production output on conveyors was increased by 6 - 9% under these conditions of lighting. The noise in the workshops was reduced by 50% and all high frequencies eliminated by using "dampers", and the author recommends

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Some Points on Improvement of Organization of Work in the Manufacture of Rubber Footwear

that the lasts should be transported by means of overhead conveyors. The humidity, temperature and rate of air circulation also influence the output of workers. An optimum temperature of 18° - 19°C, and relative humidity of 50 - 60%, is recommended. Special nomograms for defining optimum working conditions were plotted. The author recommends that factories should be fitted with air-conditioning systems.
There is one Table.

1. Shoes--Production 2. Rubber--Applications 3. Industrial plants --Human engineering

Card 2/2

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

SOV/138-58-7-7/19

AUTHOR: Pumpyanskiy, I.M.

TITLE: Prospective Development of the Rubber Industry in the Yaroslavl' Economic Administrative Region for 1959-1965 (Perspektivy razvitiya kauchukovoy i rezinovoy promyshlennosti Yaroslavskogo ekonomicheskogo administrativnogo rayona na 1959-1965 gg)

PERIODICAL: Kauchuk i rezina, 1958, Nr 7, pp 27 - 28 (USSR)

ABSTRACT: Large-scale plants for production of rubber, synthetic rubber and of rubber and asbestos products are located in the Yaroslavl' region. This region claims the largest tyre factory in Europe. At the present time, a great deal of the raw material, especially grain alcohol for synthetic rubber, is imported from other regions at a yearly transport cost of 40 million roubles. A petroleum conversion plant is planned within the region. It will produce ethyl alcohol, butane, isopropylbenzol, ethylbenzol and other products required for manufacture of divinylmethylstyrol rubbers. Divinyl (butadiene) will be produced by dehydrogenation of butane in a one- or two-stage process and methylstyrol by dehydrogenation of isopropylbenzol. Production of these copolymer rubbers will largely

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Prospective Development of the Rubber Industry in the Yaroslavl' Economic Administrative Region for 1959-65

eliminate the need for expensive natural ethyl alcohol. Other new plant will produce high-dispersion carbon black from cracked petroleum oils. Butadiene styrol and butadiene vinylpiridine latexes and carboxyl latexes will be produced for impregnation and improvement of tyre cord. New plant, and new materials including viscose and nylon tyre cord will be introduced in the tyre factory. Autoclaves will be displaced by high-production, vulcanising presses and high-speed, rubber mixers with automatic weighing will displace milling in the production of other rubber components. Experiments will be made with radiation vulcanising using isotopes and high-frequency pre-heating and electrically-heated vulcanising plant will displace steam-heated plant. New methods and plant using the principle of freezing rubber will assist the trimming and finishing of rubber components. Hot-formed asbestos, asbestos fabric and paper products will be produced largely for tractor components. New laboratories and machine shops to construct special-purpose plant will

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SOV/138-58-7-7/19

Prospective Development of the Rubber Industry in the Yaroslavl' Economic Administrative Region for 1959-65

form part of the planned new factories.

1. Rubber industry--USSR 2. Synthetic rubber--USSR 3. Industrial production

Card 3/3

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

SOV/138-58-12-5/17

AUTHOR: I.M. Pumpyanskiy

TITLE: The Introduction of New Techniques in Rubber Manufacturing Plants of the Yaroslavl' Sovnarkhoz (O vnedrenii novoy tekhniki na predpriyatiyakh rezinovoy promyshlennosti Yaroslavskogo Sovnarkhoza)

PERIODICAL: Kauchuk i Rezina, 1958, Nr 12, pp 16-17 (USSR)

ABSTRACT: This article reviews plant and processes put into operation during 1958. The synthetic rubber plant has been equipped with four 16 retort ovens with two tier heating for an automatic process for regeneration of alcohol. New equipment for mechanized assembly has been introduced in the tyre factory. Among new materials, mention is made of SKS-30 AM oil-filled butadiene-styrol tread rubber with increased wear resistance, used either 100% or with 30% natural rubber; impregnation of P-5 viscose tyre cord with resorcinal formaldehyde and carbon black dispersion, and use of 070-V viscose cord for all heavy duty tyres. New 'arch-profile' tubeless tyres have been introduced for trucks and combine harvesters. Criticism is made of the long time taken to get new equipment, including imported vulcanizing plant, into operation.

Card 1/2

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SOV/138-58-12-5/17

The Introduction of New Techniques in Rubber Manufacturing Plants in the Yaroslavl' Sovnarkhoz

Plans for 1959 include extension of the use of the new materials above; conversion of water heated vulcanising plant to high pressure steam heating; introduction of high frequency pre-heating before vulcanizing; production of liquid nitrogen for a new technique of freezing moulded components to enable mechanized ejection or removal of the parts after pressing; and increased production of fan belts with toothed profiles to give better life as compared with the ordinary 'V' belt.

Card 2/2

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PUMPYANSKIY, I.M.

Equipment for the reprocessing of vulcanization wastes of the rubber industry. Kauch. i rez. 22 no.7:48-49 Jl '63.
(MIRA 16:8)

1. Gosudarstvennyy institut po proyektirovaniyu predpriyatiy rezinovoy promyshlennosti.
(Rubber industry--Equipment and supplies)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUMPYANSKIY, I.M.---

Second conference on automation and mechanization of the basic technological processes in the rubber industry. Kauch. i res. 20 no.8:55-57 Ag '61. (MIRA 14:8)
(Rubber industry--Equipment and supplies)
(Automation--Congresses)

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S/138/61/000/005/005/006
A051/A129

AUTHOR: Pumpyanskiy, I. M.

TITLE: New equipment for rubber article plants

PERIODICAL: Kauchuk i rezina, no. 5, 1961, 26 - 32

TEXT: During 1959 - 60 many types of new industrial and laboratory equipment, as well as instruments for the rubber article industry have been produced. The "Bol'shevik" Plant has designed high pressure РСВД-140 (RSVD) experimental units of rapid rubber-mixers with an effective volume of the mixing chamber of 140 l (the complete volume of the chamber is 245 l). These mixing chambers have a rotational speed of the rear rotors of 40 and 30 rpm. Starting in 1961, the mass-production of mixing chambers with the following characteristics is being organized:

	RSVD-140-40	RSVD-140-3
rotor, rpm	33.9	25.4
rotational speed of the rear rotor, rpm	40	30
specific pressure on the mixture, kg/cm^2	5 - 6.65	5 - 6.65
air pressure on the top and bottom lock, kg/cm^2	8	8
type of electric motor	synchronous DSZ-99-10-6 (DSZ-99-10-6A)	synchronous DSZ-99-8A

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New equipment for rubber article plants

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A051/A129

	RSVD-140-40	RSVD-140-3
power of the electric motor, kw	700	575
number of rotations of the electric motor, rpm	1,000	750
dimensions (with the driving gear), mm		
length	8,350	8,350
width	4,000	4,000
height	5,840	5,840
weight, t	47.64	47.44

The cooling of the mixing chamber has been improved and the power of the driving gear increased. Automatic weighing and loading becomes necessary at a mixing cycle of 3 - 6 min. By 1962 it is hoped that experimental units of the new equipment for automatic weighing and loading of mixers will come into use. Atomizers with the following features are used for speeding up the process of mixture feeding: diameter of the worm gear 380/450 mm (15 x 18"), working length of the worm gear 2,090 mm, rotational speed of the worm gear 23.5 rpm, electric motor: synchronous, with a power of 320 kw and 750 rpm, voltage 6,000 v, total weight 30.5 t. The 15 x 18" atomizer unit is produced at the "Bolshevik" Plant and in 1961 its mass-production will be started. By order of the Nauchno-issledovatel'skiy institut

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A051/A129

New equipment for rubber article plants

shinnoy promyshlennosti (Scientific Research Institute of the Tire Industry) (NIIShP) the "Bol'shevik" Plant has designed and produced the 2 WMPC-200 (ShMRS) experimental mixer of continuous action for manufacturing rubber mixtures. The "Metallist" Plant has designed the conditio-meter BH-5405 (VN), which in intended for evaluating the viscosity of the mixture and its vulcanizing abilities. The "Bol'shevik" Plant has designed and produced a four-roller calender with a Z-type arrangement of the rollers, 720 x 2,100 mm in size. The same plant has manufactured an experimental type of a three-roller calender, with angular arrangement of the rollers, having the following characteristics: diameter of the rollers 720 mm, length of the working parts of the rollers 2,100 mm, speeds when impregnating - from 6.13 to 61.3 m/min, and when sheeting - from 9.2 to 92 m/min. The "Bol'shevik" Plant has designed and produced an experimental type of a four-roller G-type universal calender with a maximum speed of 50 m/min, to be used for impregnating the fabrics, sheeting and lining uni-layer and double fabrics with rubber. In 1960 the "Krasnyy Treugol'nik" Plant received the first unit of a BH-2107 (VN) sheeting five-roller calender, 200 x 600 mm in size, from the "Metallist" Plant. The annular velocity of the fifth roller of the calender is from 5.4 to 15.9 m/min, the total power of the electric motors is 13 kw. The "Kalibr" Plant has produced in 1961 an experimental unit of a profilograph-profilometer. Its mass-production

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New equipment for rubber article plants

will begin in 1962. Belt hydraulic presses 10,300 mm long and 1,800 and 2,300 mm broad have been introduced at the Kursk and Sverdlovsk Rubber Article Plants, and automation and remote control of the belt presses has begun. The "Metallist" Plant is producing four-story BH-0918 (VN) presses with 600 x 600 mm plates, specific pressure on the plate being 60 kg/cm^2. The same plant is organizing the mass-production of two-story hydraulic VN-0916 presses with 400 x 400 mm plates. The "Metallist" Plant has developed a hydraulic vulcanizing press with 600 x 600 mm and 400 x 400 mm plates. An electronic machine Mars-200 has been designed for the automatic centralized control and regulating of the temperature of the electro-press. At present the Mars-200 is being manufactured in required quantities. Several Rubber Article Plants ("Krasnyy Bogatyr'", "Kauchuk", etc.), have been outfitted with the Mars-200 electronic unit. The "Krasnyy Rezinchzhik" Plant has developed horizontal and vertical founding presses, "Kiyev-4m" and "Kiyev-2", designed by S. M. Lirner. These instruments can be used to produce shaped rubber articles of a complex form with thin walls. Equipment for the production of sleeve articles is being manufactured by the NIIRP. In the next few years the production of equipment for foam rubber articles will be under way. The experimental unit manufactured at the Tambovskiy kotel'no-mekhanicheskiy zavod (Tambov Boiler-Engineering Plant)

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New equipment for rubber article plants

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A051/A129

with continuous foaming action of the latex mixture is being tested at the Balanda Rubber Article Plant. The Bolokhovskiy mashino-stroitel'nyy zavod (Bolokhovo Machine-Building Plant) of the Tula National Economic Council has developed the blue-prints of a unit for the gelatinization and vulcanization of foam-rubber articles by means of the vapor-air method. In 1961 an experimental unit of this machine will be produced. The "Metallist" Plant has developed and organized the mass-production of two instruments: the VN-5704 for determining the hardness of foam-rubber articles, and the VN-5404 for the testing of compression. The VN-5902 instrument for the testing of rubberized articles to water and air-permeability is being designed. The VN-5109 instrument is intended for determining the rubber elasticity by percussion using the head of a pendulum falling from a fixed height. The instrument VN-5303 characterizes the frost-resistance of the rubber, according to the elastic regeneration after compression. The instrument VN-5701 can be used to determine the hardness of rubber by the depression method. The "Metallist" Plant has designed the rupturing machine VN-5005, with a thermal chamber, which is meant for determining the limits of tenacity and rubber deformation.

ASSOCIATION: Rezinoproyekt

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PUMPYANSKIY, Isaak Matveyevich; IVANOV, Nikolay Aleksandrovich; BOLTAYEVA, M.F., red.; PANTELEYEVA, L.A., tekhn. red.

[New equipment for the industrial rubber goods industry] Novoe oborudovanie dlia promyshlennosti rezinovykh tekhnicheskikh izdelii. Moskva, Goskhimizdat, 1963. 60 p. (MIRA 17:2)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUMPYANSKY, V.

USSR/Electronics - Radio receivers

Card : 1/1 Pub. 89 - 14/24

Authors : Pumpyansky, V. and Feldman, P.

Title : "Belarus' 53"

Periodical : Radio 6, 29 - 33, June 1954

Abstract : The new 14-tube superheterodyne receiver, "Belarus' 53", manufactured by the Minsk Radio Factory under the management of the Ministry of the Bielorussian Fuel Industry, is described in detail. The "Belarus" 53" is a class I receiver operating on long-, medium-, and short-wave bands. The main parameters of the receiver are: Nominal output power-4 wt; 135 wt (from an AC line). The amplifier's medium-frequency band-pass can be varied, in stages, between 5 and 12 kilocycles. Illustrations, showing the general view of the receiver, the high-grequency capacitor group, and the receiver circuit diagram, four illustrations in all, are shown. Also four tables giving data on coil windings.

Institution : ...

Submitted : ...

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

Pumpyanskiy, V.

USSR/ Electronics - Radio equipment

Card 1/1 Pub. 89 - 13/30

Authors : Pumpyanskiy, V., Fel'dman, P.

Title : The "Minsk R-7-55" combined phonograph and radio receiver

Periodical : Radio 3, 22 - 24, Mar 1955

Abstract : A technical description is given of the "Minsk R-7-55" combined phonograph and radio receiver, in which provisions are made for the possibility of using an attachment in the form of a motorless magnetic-tape recorder for recording radio broadcasts, playing phonograph records, or recording by means of a microphone and reproducing what is recorded. Detailed specifications are given of circuits, technical parts and construction. Illustrations; diagrams; table.

Institution : .....

Submitted : .....

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

06243
SOV/107-59-6-7/50

6(6)

AUTHOR: Pumpyanskiy, V., Chief Engineer

TITLE: Creative Thoughts

PERIODICAL: Radio, 1959, Nr 6, p 5 (USSR)

ABSTRACT: The Minsk Radio Plant is intensifying the preparations for producing the TV set "Belarus'-5" (shown in a photograph). The "Belarus'-5" is a combination of a first-class TV set with a 43LK2B kinescope, a second-class radio receiver and an improved record player. The TV set is equipped with automatic gain control, automatic line frequency control and definition control. The "Belarus'-5" underwent a series of complicated tests at a number of Moscow and Leningrad institutes and received a high evaluation by the Ekspertnyy sovet Vsesoyuznoy torgovoy palaty (Council of Experts of the All-Union Trade Chamber). Recently, a laboratory for semiconductor receivers was opened at the Minsk Radio Plant. With

[illegible] is one third or
[illegible] Radio Plant are
[illegible]apn combination for mass
[illegible]rom the "Minsk-58" by an improved
-, a higher sensitivity and selectivity

Card 1/3

Card 2/

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

Creative Thoughts

and a greater output power. The phonograph has three speeds 33, 45 and 78 rpm. Designers of the Minsk Radio Plant are working on new TV sets, among them console models with 110° kinescopes, built-in tape recorders and first-class receivers, and on new versions of radio-phonograph combinations. There is 1 photograph.

ASSOCIATION: Minskiy radiozavod (Minsk Radio Plant)

Card 3/3

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

HUNK, J.

Automatic machining of the cylinder head of the 440 Skoda motor.

p. 26 (Automobil) Vol. 1, no. 1, Jan. 1957, Praha, Czechoslovakia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

[redacted]. V. Vil[illegible]ost' [illegible]ykh ob"ektov. Problemy fiziol. optiki, T. VII, 1[illegible], s. [illegible]. - Bibliogr: 23 nazv.

SO: Letopis, No. 32, 19[illegible].

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUNYANTSEV, V.Ya.

19935 PUNYANTSEV, V. Ya

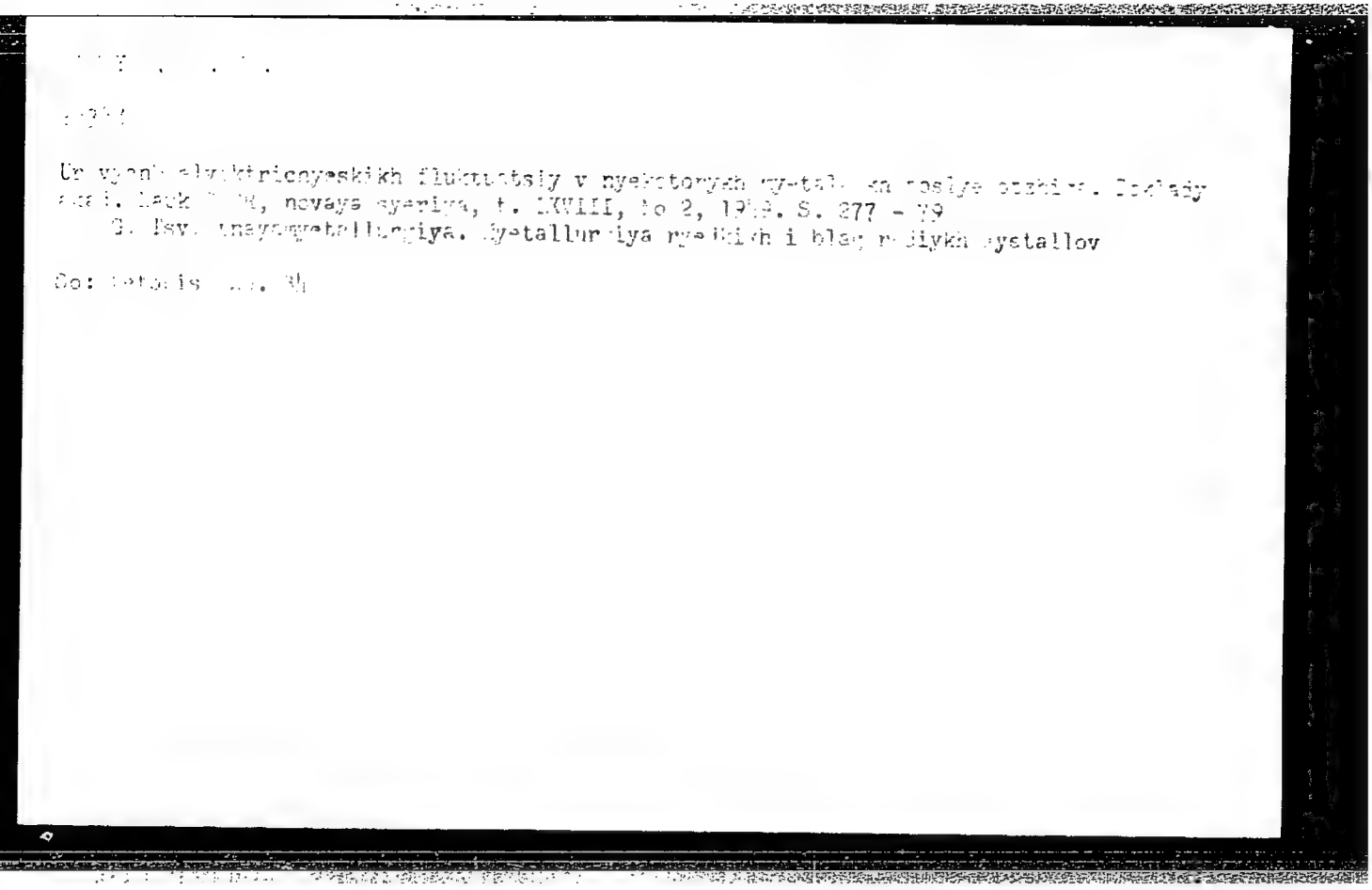
Uborka i okaravnivaniyu gidrotorfa mashinami U M L Torf-prom-st',

1949, #6, s. 18-19

So: Letopis Zhurnal Statey, Vol. 27, Moskva, 1949

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9



Ob vyyavlenii elektricheskikh fluktuatsiy v nyekotorykh ry-tal- pri rosiye otshiv. Doklady Akad. Nauk [illegible], novaya syeriya, t. LXVIII, No 2, 19[illegible]. S. 277 - 79

2. Fiz. [illegible]. Fizika. Fizika rye[illegible]kh i blag[illegible]diykh kristallov

Do: [illegible]

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUNANOV, I., kand. ekonom. nauk

The material and technical base of communism and strengthening the defensive power of the country. Komm. Vooruzh. Sil 4 no.18:9-17 S '64. (MIRA 17:9)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUNANOV, I., kand.ekonomicheskikh nauk

How to guide a group studying the theme "Establishment of the economic and technical foundation of communism is the most important economic problem facing the party and the Soviet people." Komm.Vooruzh.Sil 2 no.1:51-53 Ja '62. (MIRA 14:12)
(Russia--Economic policy)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUNAYEVA, YE. N.

42490. Podgotovka I Provedeniye Zimovki V. Karakule-Vodcheskikh Sovrhozakh. Karakulevodstvo I Zverovodstvo, 1948, No. 6, S. 13-15.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUNCHENOK, Aleksandr Yefimovich

[On a long ocean voyage] Passazhir dal'nego plavaniia. Izd. 2. Risunki N. Kustova. Leningrad, Gos. izd-vo detskoy lit-ry, 1956. 174 p. illus. 21 cm. (MLRA 10:5)
(Ocean travel)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUNCER, Franc

Blood pressure for various ages in clinically healthy people.
Biol vest 9:133-137 '61.

1.Antropoloski oddelek Bioloskega instituta Univerze v Ljubljani.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUNCHENOK, N.A.

State of capillaries and capillary pressure in healthy newborn infants.
Trudy AMN SSSR 29:11-16 '53. (MLRA 6:11)
(Infants (Newborn)) (Capillaries)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUNCHENOK, N.A.

Oxygen saturation in blood in healthy newborn infants and in newborn infants with disorders in cerebral blood circulation. Akush. i gin. no.3:42-47 My-Je '55. (MLRA 8:10)

1. Iz otdeleniya novorozhdennykh (nauchnyy rukovoditel'-prof. A.F.Tur) Instituta akusherstva i ginekologii (dir.-prof. P.A.Beloshapko) Akademii meditsinskikh nauk SSSR.

(INFANT, NEWBORN, blood in oxygen saturation in normal & ih inf.with disord. of cerebral blood circ.)

(OXYGEN, in blood saturation in normal newborn inf. & in inf. with disord. of cerebral blood circ.)

(BLOOD oxygen saturation in normal newborn inf. & inf. with disord. of cerebral blood circ.)

(BRAIN, blood supply circ. dis. in newborn inf.eff. on oxygen sat. of blood)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

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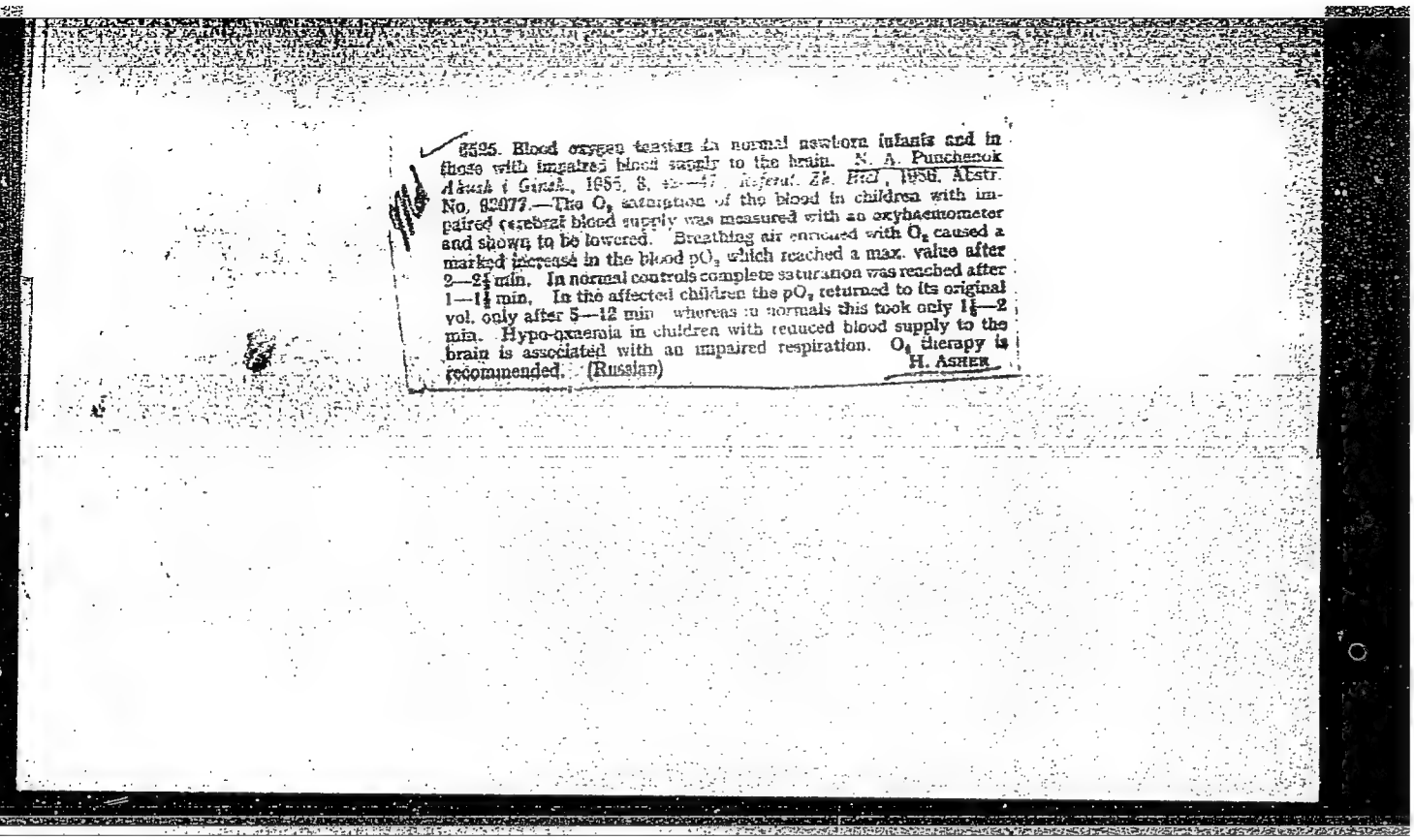


6595. Blood oxygen tension in normal newborn infants and in those with impaired blood supply to the brain. N. A. Punchenok *Akush i Ginek.*, 1955, 8, [illegible]. *Referat. Zh. Biol.*, 1956, Abstr. No. 82077.—The O_2 saturation of the blood in children with impaired cerebral blood supply was measured with an oxyhaemometer and shown to be lowered. Breathing air enriched with O_2 caused a marked increase in the blood pO_2 which reached a max. value after 2—2½ min. In normal controls complete saturation was reached after 1—1½ min. In the affected children the pO_2 returned to its original vol. only after 5—12 min whereas in normals this took only 1½—2 min. Hypo-oxaemia in children with reduced blood supply to the brain is associated with an impaired respiration. O_2 therapy is recommended. (Russian)

H. ASHER

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

Punchenok, N. A.

"Saturation of the blood with oxygen and the elimination of creatine in healthy newborn children and in those with disorders of cerebral blood circulation." Acad Med Sci USSR. Joint Council of the Group of Leningrad Institutes. Leningrad, 1956 (Dissertation for the Degree of Candidate in Medical Sciences).

Knizhnaya letopis
No. 21, 1956. Moscow

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUNCHENOK, N.A.; SHVARTSVAL'D, Ye.P.

Quantitative correlation between free and conjugated bilirubin in the blood of newborn infants and its clinical significance. Vop. okhr. materin. dets. 8 no.1:34-38'63 (MIRA 17:2)

1. Iz otdeleniya novorozhdennykh (zav. N.A.Punchenok) i kliniko-diagnosticheskoy laboratorii (zav. N.L.Vasilevskaya) Instituta akusherstva i ginekologii (dir. - prof. M.A.Petrov Maslakov) AMN SSSR.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUNCHENOK, N.A.; POTOTSKAYA, L.Ye.; PODOL'SKAYA, I.Yu. (Leningrad)

Functional state of the adrenal cortex in newborn infants. Probl. endok. i gorm. no.2:67-73'63. (MIRA 16:7)

1. Iz otdeleniya novorozhdennykh (starshiy nauchnyy sotrudnik N.A. Punchenok), laboratorii endokrinologii (nauchnyy rukovoditel' - deystvitel'nyy chlen AMN SSSR, prof. V.G.Baranov) i kliniko-diagnosticheskoy laboratorii Instituta akusherstva i ginekologii (direktor - prof. M.A.Petrov-Maslakov) AMN SSSR.
(ADRENAL CORTEX) (INFANTS (NEWBORN))

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUNCHENOK, N.A.; BRAUN, A.D.

Saturation of the blood with oxygen and excretion of creatine in premature infants. Vop. okhr. mat. i det. 6 no. 1:6-10 Ja '61. (MIRA 14:4)

1. Iz otdeleniya novorozhdennykh Instituta akusherstva i ginekologii AMN SSSR (nauchnyy rukovoditel' - deystvitel'nyy chlen AMN SSSR prof. A.F. Tur) i laboratorii tsitokhimii Instituta tsitologii AN SSSR (zav. - doktor biologicheskikh nauk A.D. Braun).

(INFANTS (PREMATURE)) (BLOOD--OXYGEN CONTENT)
(CREATINE)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUNCHENOK, N.A., BRAUN, A.D.

Creatinuria in the newborn [with summary in English]. Vop.med. khim. 4 no.1:50-58 Ja-F'58 (MIRA 11:5)

1. Otdelniye novorozhdennykh i biokhimicheskaya laboratoriya Instituta akushertsva i ginekologii AMN SSSR, Leningrad.
(CREATINE, in urine
in newborn, dterm. (Rus))
(INFANT, NEWBORN,
creatine metab. & excretion (Rus))

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUNCHEV, G.

Case of enuresis ureterica. Khirurgiia, Sofia 11 no.4:373-375 1958.

1. (Iz Katedrata po propedevtika na khirurgichnite zaboliavaniia pri VMI--Plovdiv).
(ENURESIS, etiol. & pathogen.
ureters ectopy (Bul))
(URETERS, abnorm.
ectopy causing enuresis (Bul))

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUNCHEV, G.

Angiorrhaphy of the a. brachialis. Khirurgiia, Sofia 12 no.10: 906-607 '59.

1. Iz Katedrata po propedevtika na khirurgichnite zaboliavaniia pri VMI "I.P. Pavlov" - Plovdiv.
(BRACHIAL ARTERY surg.)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUNCHEV, V.

Vorus immobilization in bimalleolar Dupuytren's fracture. Khirurgiia, Sofia 10 no.6:531-534 1957.

1. Vissh meditsinski institut I. P. Pavlov--Plovdiv Khirurgichna propedevtichna klinika. Direktor: dots. IU. Toshev.
(FIBULA, fractures,
Pott's fract., immobilization (Bul))

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUNCHEV, G.

New surgical instrument; ligation sound. Khirurgiia, Sofia 7 no.9: 568-569 1954.
(SURGERY, apparatus and instruments, ligation sound)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUNCHEV, G.; KHADZHIEV, D.

Case of hydronephrosis in a dystopic kidney. Khirurgiia, Sofia 9 no. 6:545-547 1956.

(HYDRONEPHROSIS, case reports,
in dystopic kidney (Bul))
(KIDNEYS, abnormalities,
dystopy, with hydronephrosis (Bul))

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

KRUSTINOV, G.; PUNCHEV, G.

Two cases of angina pectoris cured with novocain block of the cardio-aortic plexus according to Dzhanelidze. Khirurgiia 7 no.1:56-59 1954.

1. Garnizonen gospital, Plovdiv.
(ANGINA PECTORIS, therapy,
*procaine block of cardio-aortic plexus)
(PROCAINE, therapeutic use,
*angina pectoris, block of cardio-aortic plexus)
(ANESTHESIA, REGIONAL,
*cardio-aortic plexus procaine block in angina pectoris)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

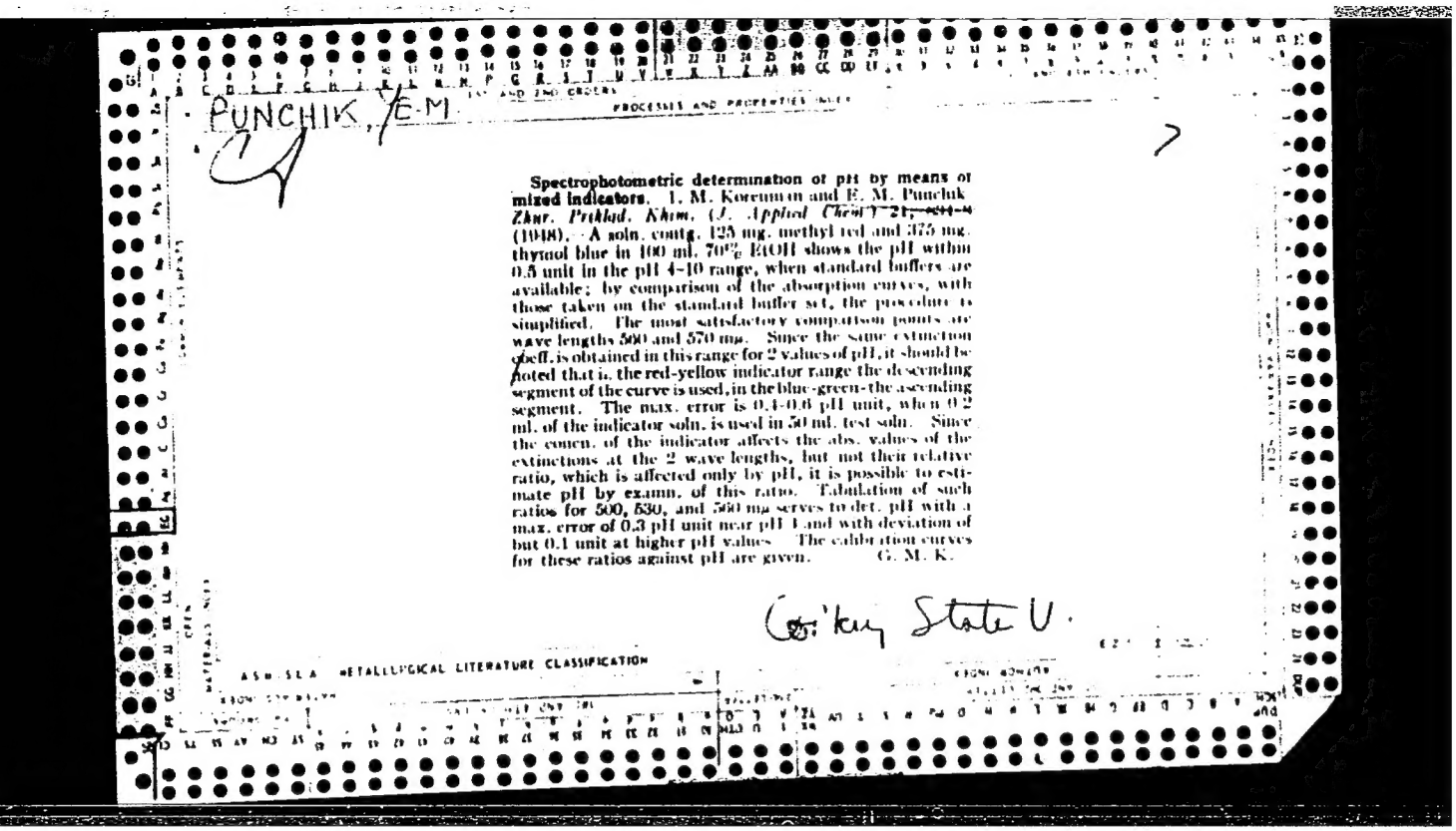
PUNCHEV, K.

A new surgical instrument; threaded extractor of Kuentscher.
Khirurgiia, Sofia 9 no.4:372-373 1956.

(FRACTURES, surgery,
osteosynthesis, extractor of Kuentscher (Bul))

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9



PUNCHIK, E.M.

PROCESSES AND PROPERTIES INDEX

Spectrophotometric determination of pH by means of mixed indicators. I. M. Korenman and E. M. Punchik *Zhur. Prikład. Khim. (J. Applied Chem.)* 21, 611–8 (1948). A soln. contg. 125 mg. methyl red and 375 mg. thymol blue in 100 ml. 70% EtOH shows the pH within 0.5 unit in the pH 4–10 range, when standard buffers are available; by comparison of the absorption curves, with those taken on the standard buffer set, the procedure is simplified. The most satisfactory comparison points are wave lengths 500 and 570 mμ. Since the same extinction coeff. is obtained in this range for 2 values of pH, it should be noted that in the red-yellow indicator range the descending segment of the curve is used, in the blue-green the ascending segment. The max. error is 0.4–0.6 pH unit, when 0.2 ml. of the indicator soln. is used in 50 ml. test soln. Since the concn. of the indicator affects the abs. values of the extinctions at the 2 wave lengths, but not their relative ratio, which is affected only by pH, it is possible to estimate pH by examn. of this ratio. Tabulation of such ratios for 500, 530, and 560 mμ serves to det. pH with a max. error of 0.3 pH unit near pH 1 and with deviation of but 0.1 unit at higher pH values. The calibration curves for these ratios against pH are given. G. M. K.

Cornell State U.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

PUNCHIK, Ye. M.

M

9

***Determination of Cobalt from the Volume of Precipitate.** I. M. Korenman and E. M. Punchik (*Zavod. Lab.*, 1949, **15**, (2), 134–135). –[In Russian]. The method gives a rapid and sufficiently precise determination of the Co content of Ni salts. The analysis is carried out as follows: 1–2 c.c. of solution to be analysed is placed in a test-tube, and to it are added 0·25 c.c. of 30% acetic acid and 4 c.c. of a mixture containing 1 part 1*N*-KNO_3 and 2 parts of 3*N*-$NaNO_2$. For a Co^{++} content $\pm$0·05 mg./c.c. the precipitate of $K_2Na[Co(NO_2)_6]$ appears rapidly; for a content of 0·01–0·005 mg./c.c. a slight cloudiness appears only after 2–3 hr. Heating and boiling does not hasten precipitation or increase the sensitivity. After precipitation is complete the test-tube is centrifuged for 5 min. at 2000 r.p.m. The height of the column of (yellow) sediment is proportional to the Co content of the solution.

—T. O. L.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343610013-9

AUTHOR: Kopacnek, A. (Chairman of the Union of Metallurgical Industry and Mine Workers of the Czechoslovakian Republic), translated by Puron, Margarita, I.

TITLE: Rotary Furnace in the Pipe Rolling Shops of the Combine "Novaya Gut'" imeni Klimenta Gottwald in Kuchitsy (Ostrava)

PERIODICAL: Metallurg, 1960, Nr 1, p 40 (USSR)

ABSTRACT: This is a corrected version of the same article printed with typographical errors in Metallurg, 1959, Nr 12 (Abstract Nr 76836). In 1959 a new design rotary furnace for heating round billets for seamless tubes, at the above combine was put into operation. The furnace has the following technical specifications: (1) calculated productivity, 40 ton/hr; (2) fuel-mixed gas of calorific power, 1,600 kcal and fuel consumption, 16,000 m^3/hr; (3) average furnace diameter, 15 m; (4) outside diameter 24.5 m; (5) width of the hearth, 4 m (chamotte brick lining); (6) weight of hearth, 400 ton; (7) charge:

Card 1/2

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